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Application number: 09/535,547
Applicant: Thieberger Gil
Title: Flat Ophthalmic Lens Synthesized from its specifications
Art unit: 2873
Examiner: Sugarman, Scott J
Date of faxing: 10 October 2003
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This is a confirmation fax containing
8 pages (including this one)

Response to 07/15/2003 Office Action

Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

Sir:

- **This is a confirmation copy of the fax I sent today.**
- The applicant requests to replay to the office action, date mailed: July 15, 2003.

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1. Claims - amendment of five claims

The applicant would like to amend claims 14, 17, 25, 33 and 34.

Herein the amended claims.

1. (original): A method of making a prescription optical device, having a predetermined prescription when curved to a predetermined arched shape, comprising a prescription saw-toothed surface zone, having plurality of discontinuities, comprising the steps of:
 - a) calculating the surface heights of the arched prescription surface zone in accordance with said predetermined prescription,
 - b) transforming said surface heights of said arched surface to surface heights of a flat surface.
2. (original): The method of claim 1, further comprising the steps of:
 - a) checking whether a predetermined condition for having a surface discontinuity is fulfilled,
 - b) repeating the process when said predetermined condition is fulfilled.
3. (original): The method of claim 1, wherein said predetermined condition for having a surface discontinuity is the height of said discontinuity, the microscopic shape of the surface, the viewed geometric pattern made by said discontinuities, a diffraction consideration, quality of the formed image, cosmetic factors, grinding technique, manufacturing technique, surface durability, tolerance budgeting methods.
4. (original): The method of claim 1, wherein the calculation of said arched surface heights comprises:
 - a) calculating microscopic normals to said arched surface, whereby said microscopic normals produce the required prescription,
 - b) calculating the surface heights of said arched surface from said calculated microscopic normals.
5. (original): The method of making a prescription saw-toothed surface zone according to claim 1, wherein said plurality of discontinuities are protected by protective means.
6. (original): The method of making the prescription optical device according to claim 1, wherein said prescription optical device is an ophthalmic lens.